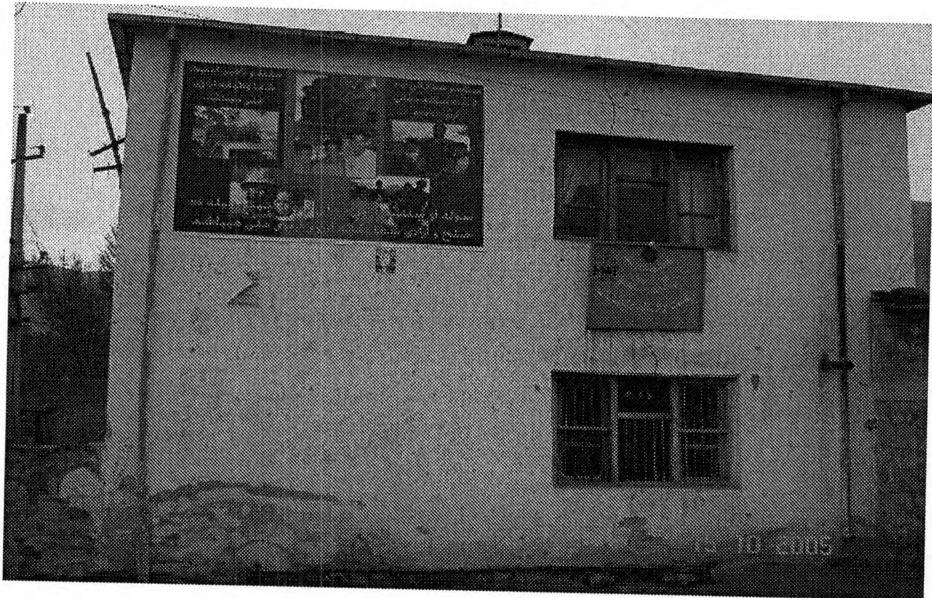
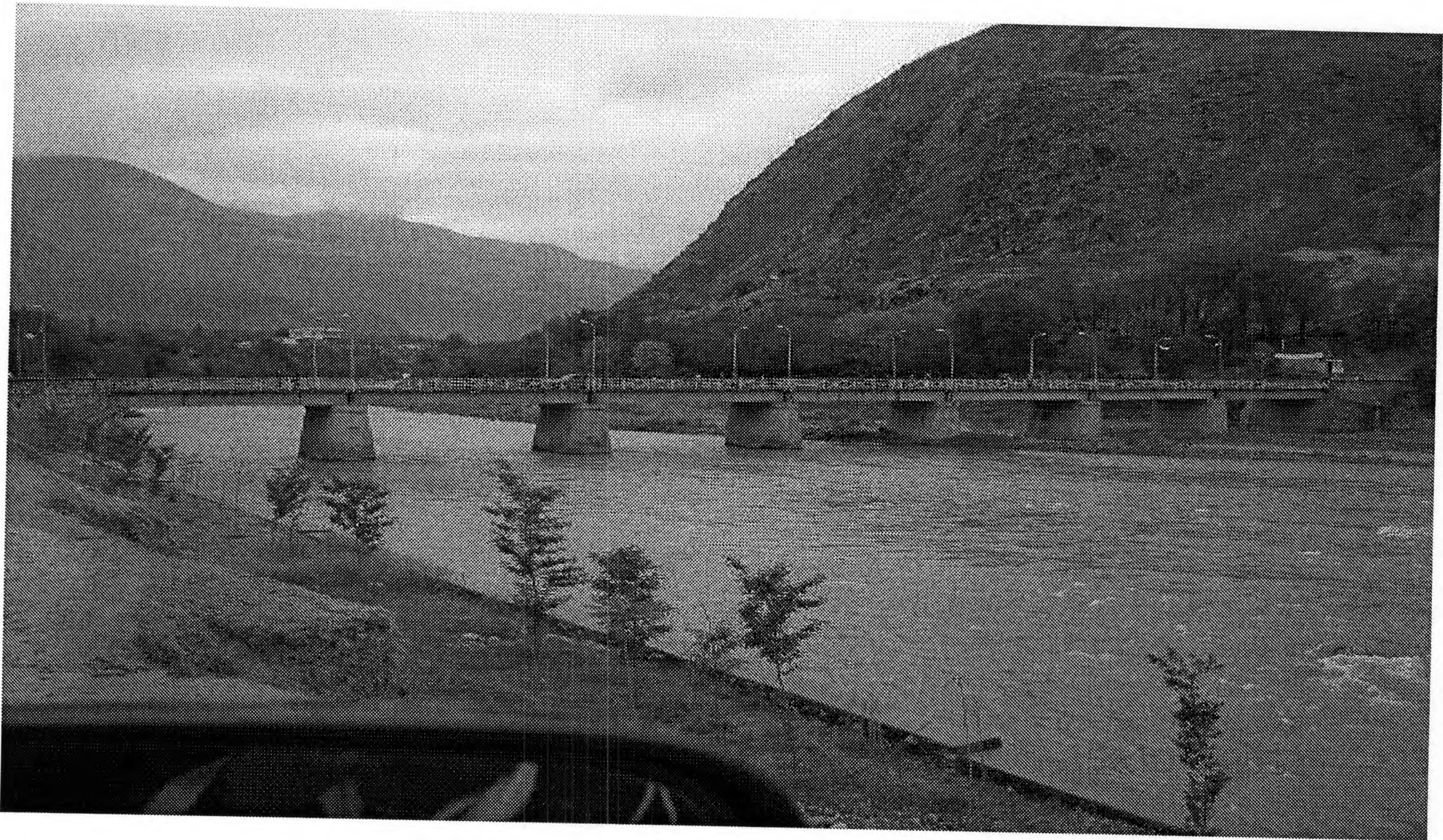
Before the fuel supply was supported by the shopkeepers of Taloqan city that each shopkeepers was supposed to pay 100Afs/Month this power was just for lighting of the city and for security this program was continued up to October-14th after while with lots of efforts of Director of DABM Taloqan he got the approval of 23,000Lit of Diesel Fuel for city lighting and now regards income they don't have income due to their experience even there ware not able to collect their invested money on fuel for DG.

Number of DABM Staff:
Actually the restructuring of Taloqan DABM is 50 people but now they have 20 people and their salary is not paid in the last four months.



DABM Directorate of Faizabad (Badakhshan Province)



Kokcha River of Badakhshan Province

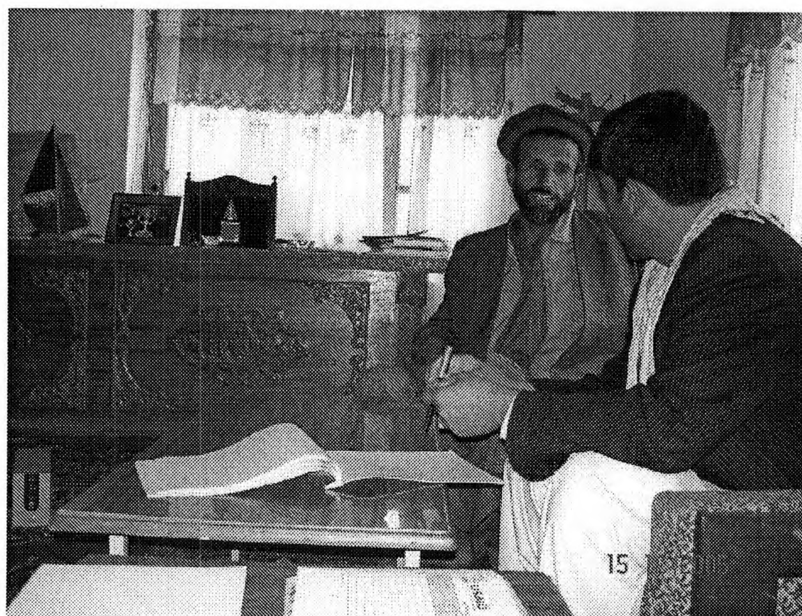
Way to Faizabad Centre of Badakhshan Province(1- 4)

Badakhshan Province

Introduction of Faizabad center of (Badakhshan) Province:

Badakhshan province had border from north with Tajikistan south with Panjshir and noristan province and east with china and Kashmir west with Takhar the population of Badakhshan province is 1.5million and Faizabad city is 150,000 also has 28 district which more people are in Kishem and Baharak.
This province is a mountainous province that covers by hindokosh mountain most of these mountains have permanent snow by this reason small and large rivers are getting water for example Hamo River which has border between Afghanistan and Tajikistan,Panj River and Kokcha River by this reason most of the population are in Kishm and Darwas people don't have much agriculture land and just 30% of people busy with agriculture most of income is from animal (Dairy and meat) also 60% of people have animal and fully busy.
Also in one year 7 months are winter and 5 months are summer .some people are busy in poppy cultivation and some are busy in business of Poppy but unfortunately some people are using it as a medicine and drug.
By this purpose this province has major water in it and it has lots of possibility for Big Hydro and small Hydro Power project regarding big hydro which has are on Kokcha and panj river has been served by MEW and small micro hydro power like Shorabak Dam, Jorm, Chatta, Aurdar Micro Hydro which has been served by KOICA (Mr. Chan Jeong).

Less then 5% of People is working with government.



Information Source:

1. ***Said Mohammd Karim Production Director*** ***Tel# 079271147***
2. ***Noor Mohammad Administrative Officer*** ***Tel# 079530461***
3. ***Asamoddin Logistic Officer***

Power Demand:
Existing Power demand is 15MWand for the next five years2010 is about20MW.

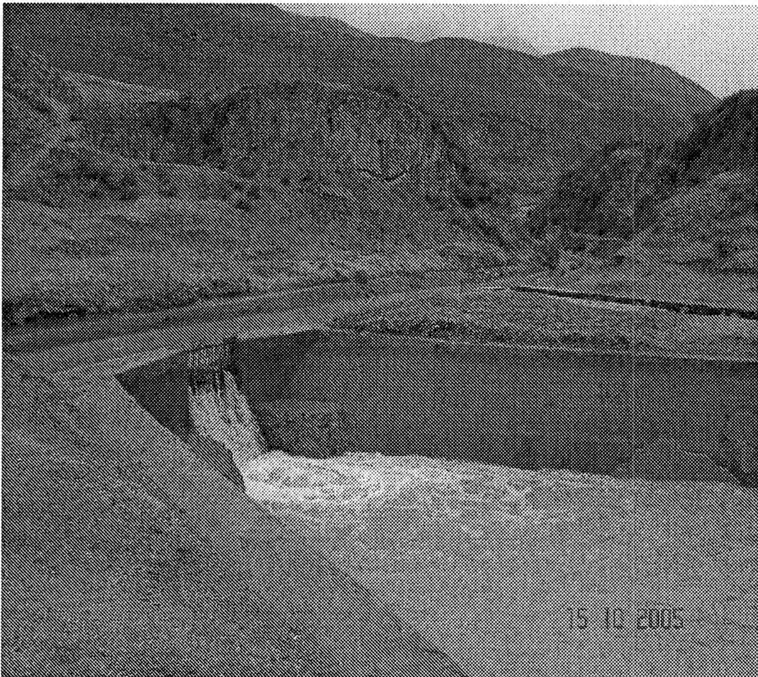
Number of DABM Staff: 39





Customers of DABM:

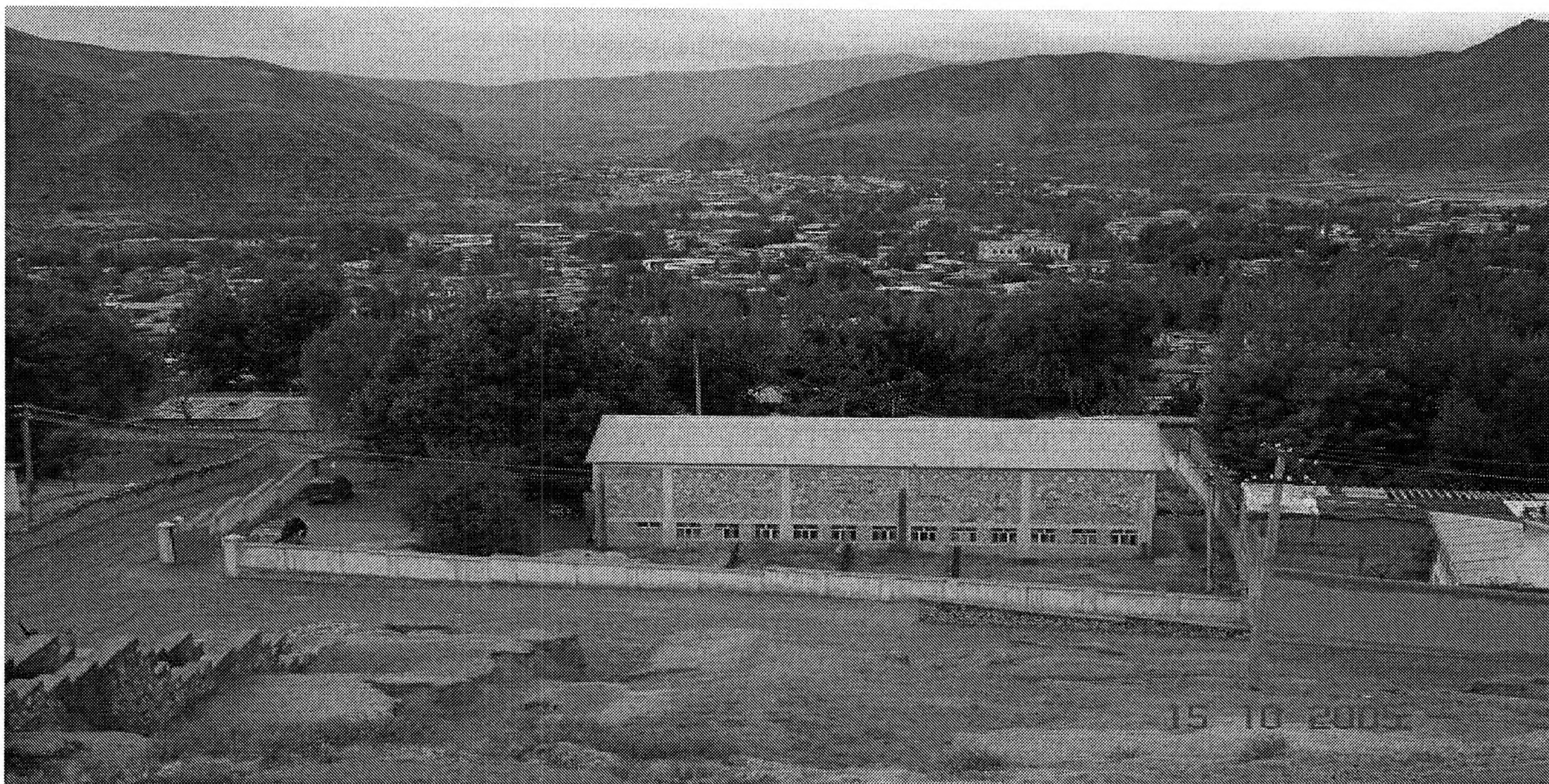
Now 15000 families are living in Faizabad. 1800 family has connection in the city network and 250 family has accesses also 80% of the people are using small Generator Tiger.



Forbey



Spillway



Power House Faizabad in Zegherchin Hill

Existing Power Source:

In 1983 three Turbines 3*85KW (PELTAN) type had been installed by Indian specialist in Television hile.
Details are as follow:
Location================ Zegher Chin Hile:
Head ===================50m
Water flow===============520lit/s
Main Pen stock Dia=========500mm
Few years ago before drought which they had maximum water two units (2*85)kw were Generating and one unit was spare.

The PELTAN type turbines are already completed its actual live and no one took care of maintenance and rehabilitation is not done also one reason shortage of water.

Then during Mr.Rabanee Presidency according request of DABM Faizabad they changed two old unit and installed two new one with the installed capacity of 250 kw by Tajikistan Specialist after the erection the result was not meet the requirement which was expected the reason if not meeting the requirement is each unit needs above 1cubic meter water as for as it not meeting the requirement is standby and the existing generation is from Indian Turbine 85Kw which produce maximum 45KW and its just for the use of Hospital,Gov and some residential .



Old Runner of mini hydro

The GPS point of the mini hydro power plant is as follow:
N= 37, 07,167
E=70, 34,538
Ele=4011 ft with accuracy of 24,4ft

Amazing Point:
In the existing generation 45kw it's not permanent.

1. three months of spring flood season
2. three months of fall drought season
3. three months of winter the surface of water is taking ice
4. Three months of summer is working condition but and needs repair.

Other sources of Power (DGs) in Faizabad DABM are as follow:

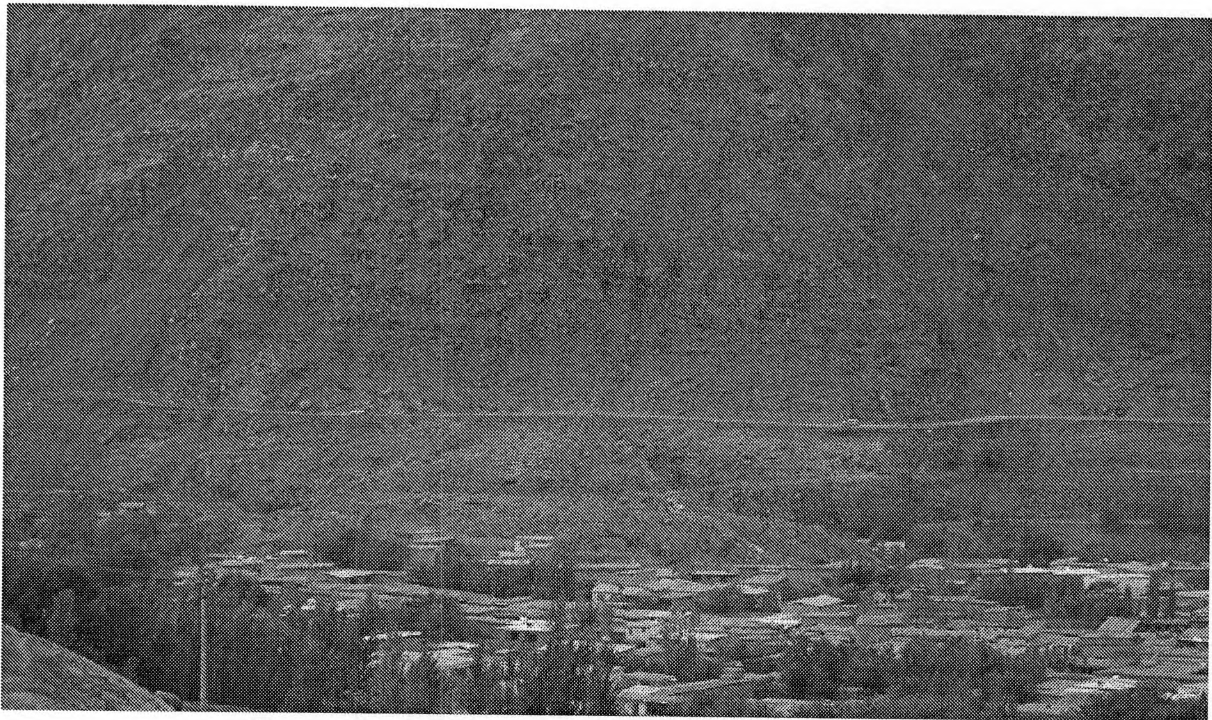
1. One DG (480)KW/H

The DG 480KW it's not operating because the price of diesel if so high and stealing of power is in the network.

2. Two DG 160KW needs diesel pump to be changed not operational
3. one DG 80KW is operational
4. One DG 160KW in district four
5. One DG 100KW in district five

DG 160 & 100KW which belong to DABM and has Russian Engine and the fuel cost was too high the People suggested from DABM to that we will change the Generator Engine to reduce the fuel consumption and the income will be collected by the people and some percentage will be given to the DABM.

Diesel Fuel/Lit	Coal /Kg	Wood /7kg	Gas/Kg	Power/KWH
48Afs	10Afs	65Afs	45Afs	30Afs



One View from part of main Road of city

City Net Work:

The existing network has 80% losses because they don't distribution transformer they have just two transformers step up in hydro power plant 400V/10kv and step down transformer 10Kv/400Vin city sub station also per kilo watt power is 30Afs even this cost is not a good income and from one year they don't received their salary.

Annual Expenses:

The annul expenses in 2004 =====6,633,635
Annual Income:
The annual income in 2004 ======2,525,981
The monthly expenses if they use fuel monthly consumption of diesel fuel are 190,000lit.

Conclusion
Thanks,

Eng.Mohammad Arif Arghoshi



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To whom it may concern

I covered the political elections in Afghanistan in September 2005 on behalf of my TV news channel – SKY TG24, Italy's only all-news channel that airs around 39 bulletins daily plus several special programmes, and is part of SKY ITALIA.

During my stay in Afghanistan I had the pleasure of working with Mr Ahmad Omar Ahmadi, as my translator and producer. I was extremely impressed by his skill, kindness and consummate professionalism and would be honoured to work with him. Both I and my Editor in Chief highly recommend Mr Ahmadi. He is a trustworthy and honourable gentleman and I look forward to working with him in the not too distant future.

Sincerely,
Alessandra Cardone



Kunduz Province



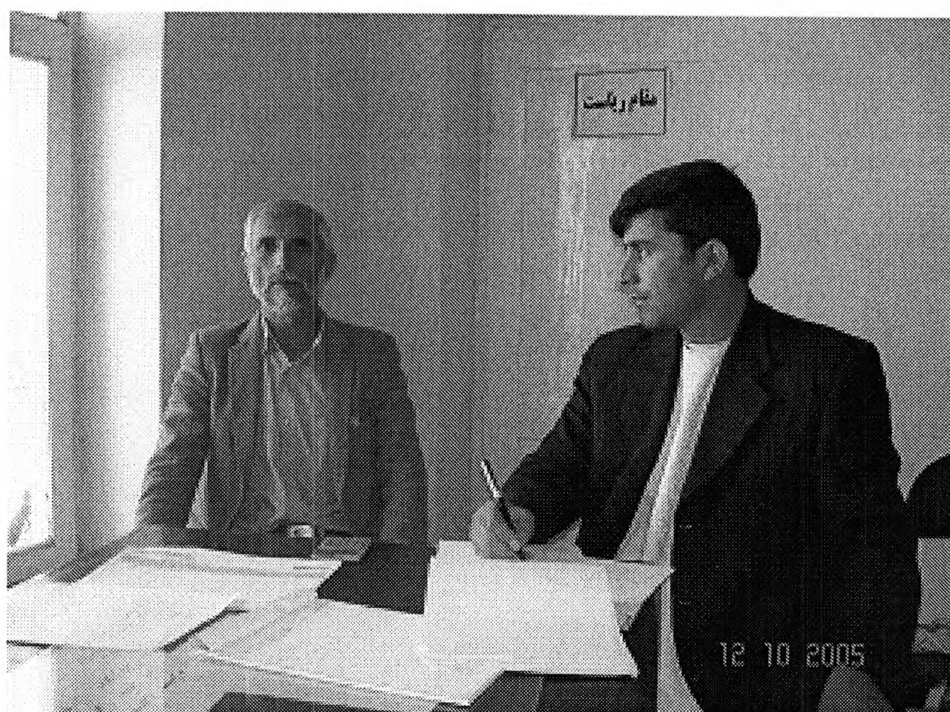
Kundoz Province

Introduction of Kundoz Province:

Kundoz province is one of the important province and its main way to north east and from geographical point it has border in north Tajikistan(Ammo River)from south Baghlan and Samangan from east Takhar province from west Balkh most of the people are busy in agriculture especially growing of rice, wheat ,Zegher (eating oil)and cotton and 30% of the main cities like center of Kundoz ,Khanabad ,Imam Sahib ,Archi ,Chardara and Qala zal are Shopkeepers and 5% people are working with government and more than 65% of people are formers.

After reaching to the Directorate of Kundoz DABM by 8:25Am we meet the following people:

1- Acting chief Director Alhag Mohammad Nawroz who is Finance manager Tel:079014600
2- Alhage Shah Mahmood Administrative Officer Tel:079875423
3- Eng.Mohammad Anwar Deputy Technical of DABM Tel:079421390



Power Source:

There is a mini hydro power in Khanabad district with the installed capacity of 4x 400kw that total 1,6MW that constructed by German and it was operational up to coming of Taliban and the power house has been destroyed during the Taliban war and above khanabad mini hydro power that there is an agriculture dam constructed by Country of India in 1977 the location of dam is in Pul-E-Chogha and it wan in plane to construct a hydro power with capacity of 9MW ,but now its working just for irrigation.

Current power of Kundoz Province is imported power form Tajikistan the length of Transmission line is 65km one KWH of power is 2 cent and the conductor size is 120/28mm^2 ACSR and cross section is steal.

Now the current system is designed for 110 kV but as for as the Tajikistan Power Company was not ready for 110kv on that time but now 35kV is Transferring from Tajikistan. The current 110 transmission line has the capacity of 50MW also the contract between Tajikistan Afghanistan is for Five years (2002-2007) The reason for 35kv is that the Tajik people had problem in the their sub station and Kundoz DABM had shortage of insulator therefore Kundoz DABM connected their system with 35kv by this reason now they have 4.5% losses in the system this losses is from Tajikistan to Kundoz Sub station if in the current system 110kv in operation so the loss will be 0.6% (as its designed) also now one circuit breaker 35kv is in the border of Tajikistan and Afghanistan installed in case of transferring of 110kv as its designed the circuit breaker should be changed the new circuit breaker has to be 110kv type(VMT) also in our side our Insulators should changed from imported power seven layers in existing transmission line.

They have two revenue meter for controlling of reading number one in Tajikistan Sub station and number two in Kundoz Sub station the meter reading process is done each month by DABM Director of Kundoz then he is bringing the recording KW/h and due to the reading they are paying the money to DA Afghanistan Bank then the bank transferring to Tajikistan Bank which is introduced.

Demand in 2005(1384):

The Demand in 2005 in Kundoz province is 20MW and in peak time the normal load is between 3-6MW and their current Sub Station has the capacity of 14MW.
Their monthly consumption is 3300MWH/month and 39600MWH/year.
The current consumption is 6MW divided as 1MW is for industrial & residence, 5MW is for NGOs , City Lighting and the government areas.

Existing Factories in Kundoz Province:

Now they have six ice factory each factory consumption is 80kw/h and the new factory of flour and the consumption is 350kw/h and number of oil extractor (Zither) the consumption of each is 20kw/h. Lath machine and weld machine is available in the town.

City Network of Kundoz:

Kundoz Province has one main sub station in Kundoz city which has two transformer 110/35/6kv, 2x16MVA.


2x16MW -110/35kV Transformer


Joint of incoming line to Tran (35) kV





Incoming Line fromTajik







GPS point of Kundoz Sub station
Is as follow:

General View

Control Room Staff

N = 36, 44,777
E = 68, 51,891
Ele= 1242ft with accuracy of 13.4ft





Say Darak distribution Sub Station
(Photo # 1-2)
Tools and equipments needed are as follow:

1. Electrical gloves
2. Electrical Shows
3. Insulator Stick

Kundoz mentioned sub station doesn't have any maintenance equipment.
Kundoz city has two Sub. Station:
1-Say Darak Sub Station has two transformers: 35/6kv (2x1.6MVA) in peak 800kw/h with
GPS point as follow:
N=36, 42,410
E=61, 58, 89
Ele=1242ft with accuracy 13.4ft

2-Imam Sahib Sub Station has one transformer 35/10kv (1x1MVA)
The existing network voltage is 6KV and it can be extended up to the radius of 8km one thing the existing system is 6kv (old system) in case to change it to 20kv so the losses will be decreased and we will be to extend the distribution system in the radios of 30km this idea is also written in the next five years plane the only district of Kundoz which right now has power is Chardara District



Slitters:
The new slitters which are stored in main sub station for the extend of the network.



Agriculture land now has zegher (eating oil)

Future demand in the next ten years:
It belongs to the development of provincial affairs for example this province is has the experience of cotton so if a textile factory can take about 3MW.

View of People:

People are very interested to have power and always they co operate us for example they help DABM in purchasing of some small tools like Slitter of Junction and etc also the people are not interested to use power for cooking of food and heating because the price of gas and fuel are less cheaper than power also from DABM there is no restriction regarding use of power and one kwatt is 2.5 Afs for the residential area, 5Afs for the Gov and industrial residential.

Diesel Fuel/Lit	**Coal /Kg**	**Wood /7kg**	**Gas/Kg**	**Power /KWH**
32Afs	3.5Afs	50Afs	35Afs	2.5Afs

Kundoz Distribution System:

Existing problem of distribution system is network line which doesn't have reliable capability and efficiency and the thickness of lines are too small also last year they got some donation from World Bank including of tools 600m Power line which is using for 400v (4x240mm) and (4x95mm) but the quality was not poor please note that in the future should be in good quality.

Meter reading Procedure:

Now 10,000 reading devices have been purchased by DABM made of Turkey which are single phase and three phase and they also request for 8,000 more also stealing of power is common and in some places they installed reading devices is positioned in towers and transformers just to compare the total of the customers reading.
Those who have control in case if some thing different between their reading and the customers on that time DABM will distribute the total loss of power to all customers by this way DABM can take care of power stealing .

Payment procedure:

The reading procedure is after each two months by DABM and will be record in the Customers Note Book and payment is through the Bank.

In this system they have problem because people are not paying in the bank.

Our suggestion is to develop billing system for them to reduce this problem and have direct control on DABM incomes.

Number of Customers:

Kundoz DABM has 14,500 customers in the existing system if it's extended from 6kv to 20kv the number of customers will be 25,000 customers and the average consumption of one family is approximately 0.5kw/h and number of each family is ten people.

Annual Revenue -2004(1384):

For example last year 1383-2004 the revenue was as follow:

Revenue ===============58,605,698Afs
Expenses===============49,788,689Afs
Profit================= 8,817,009Afs

Number of DABM staff: 96 Person

Money Transferring Procedure to Kabul DABM:

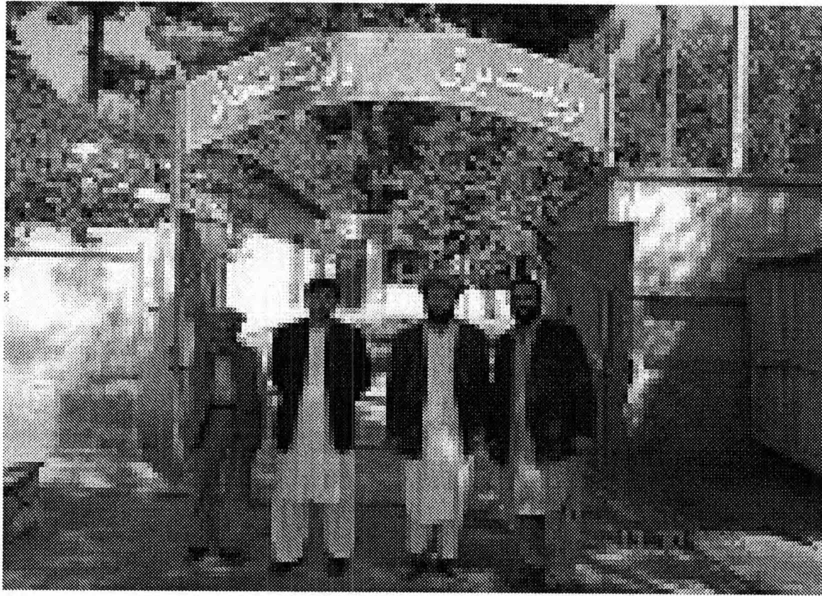
All income of Kundoz DAMB is going through to BANK in their own account if there is a requite for money from Kabul DABM they will transfer to their account for example 5,000,000 Afs has been delivered to Kabul DABM from the DABM Kundoz .

Power usage:
In regard usage of power there is no constraint from DABM to customers.

Access of People with Electricity:
30% of the people has access on power and 70% doesn't have access the reason is that, the current system is 6kv and they cant to extend their network more than 8km also three district doesn't have access to power the reason is that, the voltage is 6kv and they have suggested from MEW to give the order that they should use 35kv for transmission and 10kv for distribution and MEW is not agree because world bank has this program to make 220kv ring.

Private Power Net work:
There is no power net works (DG) also 90% of the people are using Tiger (small Generator) china Made One Tiger generator cost 60USD.

Takhar Province

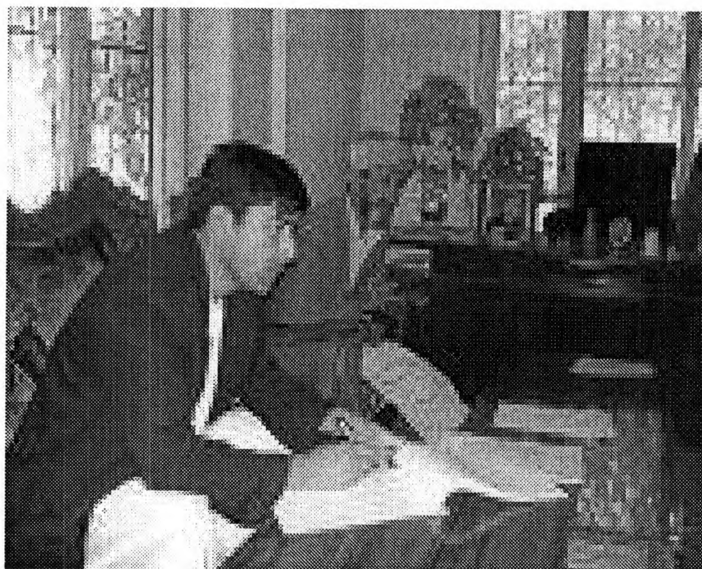


Introduction of Taloqan center of (Takhar) Province:

This province has 16district also from north is connecting to Tajikistan from south to Baghlan and Panjshir from east Badakhshan and from west to Kundoz Province also in the number of population is 150,000 people.
Most of the People in this province are busy with cultivation of wheat, rice and cotton and 5% of the people are working with government 95% of the people has their own business and 5% of the people are rich 20% are average 75% are poor.
Takhar people are very interested in small industry like flour mill oil extractor, ice factory etc one thing for the small industry they don't have power, so to use a DG is expensive to operate.
Regarding poppy cultivation last year they grow a lot but this year it's very limited.

Source of Information:

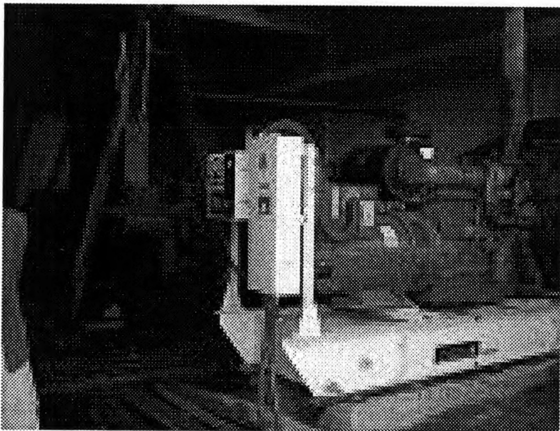
1. Director of DABM Takhar Ali Murad Imami — Tel # 070709511
2. Eng.Abdul Manan Acting of Technical Officer — Tel # 070715195
3. Mohammad Naeem Khan Accountant



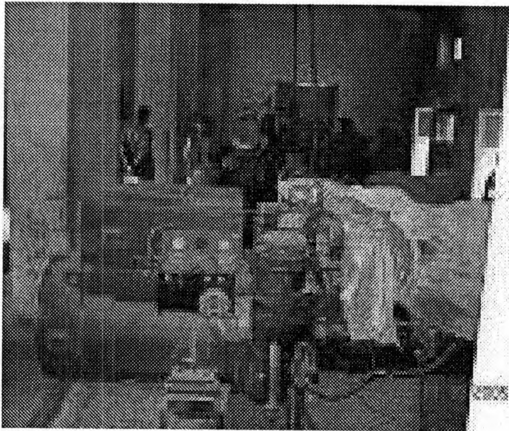
Power Demand:

Now for Takhar Province 10MW is the current anticipated.
In Takhar province 5,000 families are under the plan of municipality and each family has 10 people 80% people are interested to use electrical equipments
Taloqan city need 1,5MW power but now the current consumers are using 600kw in peak.

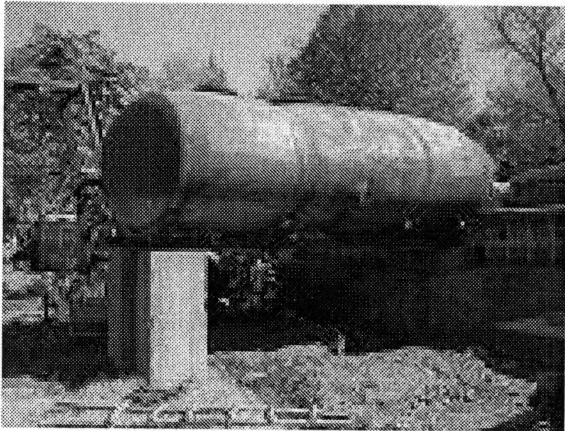
Current power source:
Some places has been survived for big hydro power which is registered by MEW with implementing of this plane it will resolve the problem in Taloqan province.



New DG 400KW (PARKIN)



Old DG2X100KW



Fuel Reservoir

Now in Taloqan DABM they have Eight DG as follow:

1. 2x 64kw made of Russian 23lit/h consumption which operational
2. 2x100kw made of Russian not operational
3. 200kw made of Russian model k700 not operational
4. 400kw made of England model parkins operational consumption 108-113/h

The GPS Point is as follow:

N= 37, 07,243
E= 70, 35,124
Elev= 4272ft with accuracy of 20,5ft

5. 100kw made of Russian operation in Dasht Qala District is not used any more because of high price of Diesel.
6. 100kw Diesel Generator which locate in Khoje Ghar District is operational because of high coast of fuel is not operating.

Diesel Fuel/Lit	**Coal /Kg**	**Wood /7kg**	**Gas/Kg**	**Power/KWH**
35Afs	5Afs	40Afs	45Afs	25A

Existing Number of Customers:
Now 600 customers are connected to the system the major of people demand power but DABM doesn't have enough power to distribute for the people.

Annual income of DABM:
As for as DABM don't have hydro generation the only source is DG and DABM doesn't have the budget for supplying of fuel.

Kunduz Province

Throw Away